

## **Lumiprobe Corporation**

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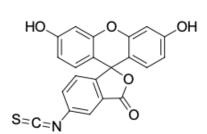
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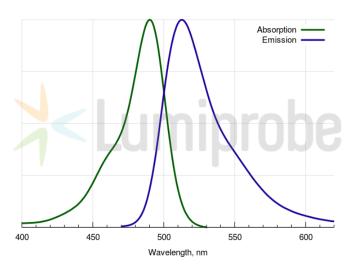
## FAM isothiocyanate (FITC), 5-isomer

http://www.lumiprobe.com/p/fitc-5

FAM-5-isothiocyanate or 5-FITC is an isothiocyanate derivative of fluorescein that reacts with nucleophilic substituents (e.g. amino, hydroxyl, thiol) of biomolecules. It is often used to label antibodies and other probes for use in various fluorescence-based techniques such as microscopy, flow cytometry, and immunofluorescence assays like immunochemistry, Western blotting, and ELISA.



Structure of 5-FITC



FAM absorbance and emission spectra

## **General properties**

Appearance: orange powder

Molecular weight: 389.39 CAS number: 3326-32-7 Molecular formula:  $C_{21}H_{11}NO_5S$ 

Solubility: good in DMF or DMSO

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

Storage conditions: 24 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Desiccate.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

## **Spectral properties**

Excitation/absorption maximum, nm: 492 Emission maximum, nm: 517